

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES INSTALLATION OF ACCESSIBLE PEDESTRIAN SIGNALS AT THE INTERSECTION OF MD 355 (ROCKVILLE PIKE) AT SOMERSET TERRACE IN MONTGOMERY COUNTY.

MD 355 RUNS IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

NORMAL OPERATION.

THE INTERSECTION CURRENTLY OPERATES IN A NEMA FIVE PHASE, SEMI-TRAFFIC ACTUATED MODE. THE MD 355 MOVEMENTS OPERATE CONCURRENTLY. THE SOMERSET TERRACE/SAK'S FIFTH AVENUE LEGS OF THE INTERSECTION OPERATE IN SPLIT PHASING.

NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON MOVEMENTS TO CROSS THE SOUTH, EAST AND WEST LEGS OF THE INTERSECTION ARE TO BE PROVIDED.

CONTROLLER INFORMATION

THE EXISTING CONTROLLER NEMA EIGHT-PHASE, FULLY ACTUATED CONTROLLER HOUSED IN THE EXISTING BASE-MOUNTED CABINET WILL BE REUSED.

SEE GENERAL NOTES ON SHEET FOR INSTRUCTIONS CONCERNING NAVIGATOR CENTRAL CONTROL UNIT.

PROJECT CONTACTS

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS:

MR. JEFFREY WENTZ
ASSISTANT DISTRICT ENGINEER
TRAFFIC - 301-513-7318

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER
MAINTENANCE - 301-513-7304

MR. AUGIE REBISH
UTILITY ENGINEER
UTILITIES - 301-513-7350

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY:

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630

MR. ED RODENHIZER
CHIEF, SHA SIGNAL SHOP
410-787-7652

ROBERT SNYDER
CONSTRUCTION INSPECTION
410-545-0390

CONTACT FOR MONTGOMERY COUNTY:

MR. KAMAL HAMUD
MONTGOMERY COUNTY DEPARTMENT
OF PUBLIC WORKS
240-777-8795

MR. KEITH LORD
MONTGOMERY COUNTY TECHNICAL
CENTER
301-279-1291

EQUIPMENT LIST "B"

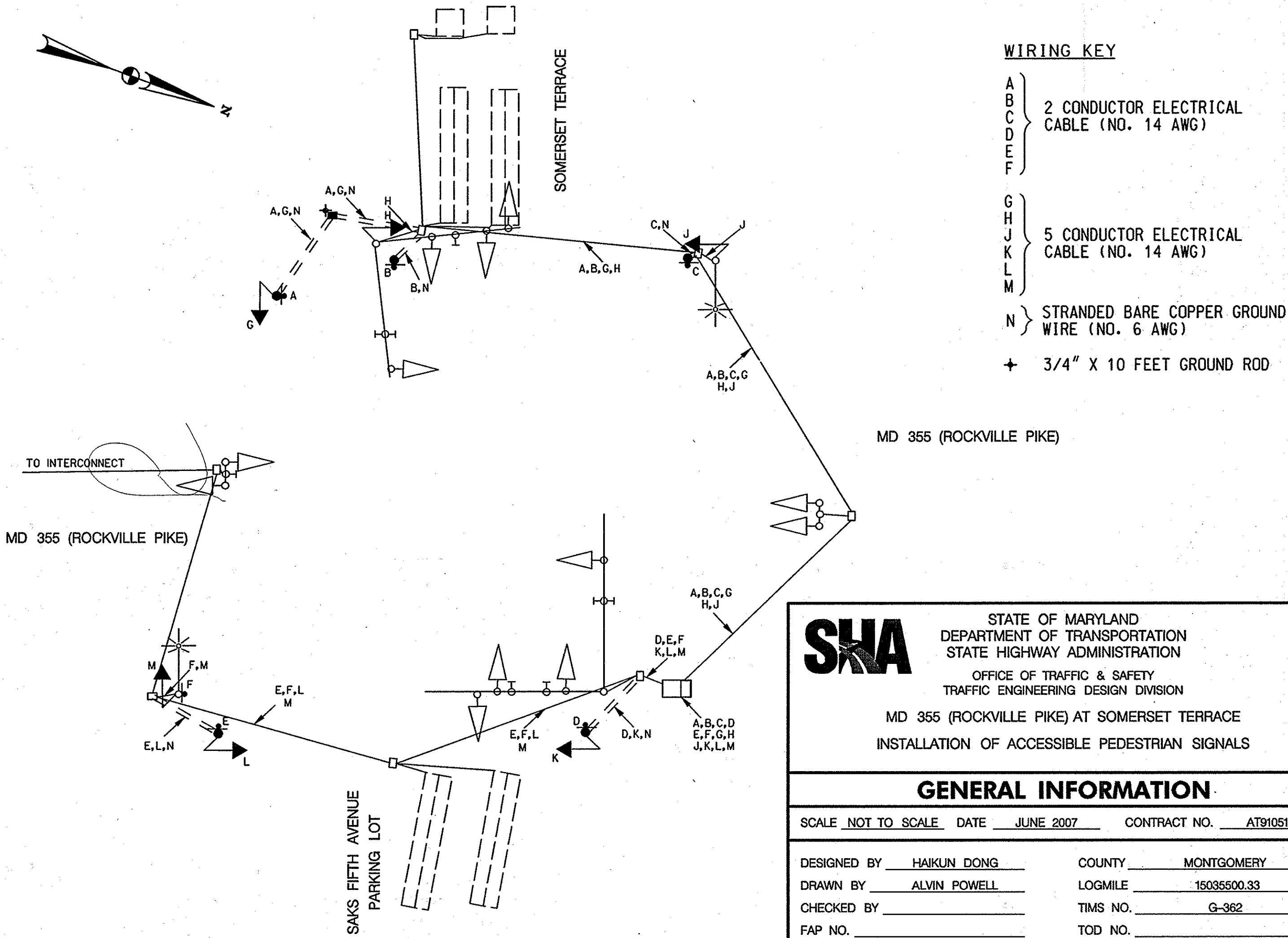
EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR:

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2001	5 CY	CLASS 2 EXCAVATION
2002	3 CY	TEST PIT EXCAVATION
5002	210 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	200 LF	12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
6001	120 LF	DEPRESSED CURB AND GUTTER
6002	646 SF	4" CONCRETE SIDEWALK
8002	1 EA	2 WIRE CENTRAL CONTROL UNIT
8008	6 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGN (5"X7" WITH BRAILLE DENOTING CROSSING STREET)
8009	5 EA	BREAKAWAY PEDESTAL POLE (ANY SIZE) 3 NO. - 10' BREAKAWAY PEDESTAL POLE 2 NO. - 5' BREAKAWAY PEDESTAL POLE
8014	6 EA	16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
8022	1 LS	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT
8034	105 LF	SCHEDULE 80 RIGID PVC CONDUIT 3 IN - TRENCHED
8038	50 SF	DETECTABLE WARNING SURFACE
8039	6 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN 6 EA - R10-4(1) MOD "PUSH BUTTON TO CROSS" (W/INSTRUCTIONS) (9" X 15")
8041	105 LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
8047	1 EA	FURNISH AND INSTALL ELEECTRICAL HANDHOLE
8054	935 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8055	820 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

PHASING SEQUENCE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 1 AND 6	+G-	+G-	G	G	R	R	R	R	R	R	R	R	DW	WALK	WALK	DW	DW	DW
1 CHANGE	+Y-	+Y-	G	G	R	R	R	R	R	R	R	R	DW	WALK	WALK	DW	DW	DW
PHASE 2 AND 6	+R-	+R-	G	G	G	G	R	R	R	R	R	R	WALK	WALK	WALK	WALK	DW	DW
2 AND 6 PED CLEARANCE	+R-	+R-	G	G	G	G	R	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW
2 AND 6 CHANGE	+R-	+R-	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3	+R-	+R-	R	R	R	R	R	R	R	+G/G	+G/G	G	DW	DW	DW	DW	DW	DW
3 CHANGE	+R-	+R-	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4	+R-	+R-	R	R	R	R	+G/G	+G/G	G	R	R	R	DW	DW	DW	DW	DW	DW
4 CHANGE	+R-	+R-	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	+R-	+R-	R	R	R	R	+G/G	+G/G	G	R	R	R	DW	DW	DW	DW	WALK	WALK
PED CLEARANCE	+R-	+R-	R	R	R	R	+G/G	+G/G	G	R	R	R	DW	DW	DW	DW	FLDW	FLDW
PED CLEARANCE	+R-	+R-	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



EQUIPMENT LIST "A"

EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9571	6 SF	SHEET ALUMINUM POLE MOUNTED SIGNS 6 EA - R10-4(1) MOD "PUSH BUTTON TO CROSS" (W/INSTRUCTIONS) (9" X 15")

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 355 (ROCKVILLE PIKE) AT SOMERSET TERRACE
INSTALLATION OF ACCESSIBLE PEDESTRIAN SIGNALS

GENERAL INFORMATION

SCALE	NOT TO SCALE	DATE	JUNE 2007	CONTRACT NO.	AT9105185
DESIGNED BY	HAIKUN DONG	COUNTY	MONTGOMERY		
DRAWN BY	ALVIN POWELL	LOGMILE	15035500.33		
CHECKED BY		TIMS NO.	G-362		
FAP NO.		TOD NO.			
TS NO.	2061 B	DRAWING	TS-1	OF	1
		SHEET NO.	2	OF	2